

Terminal Blocks

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Terminal Blocks with Screw Connections **Briefing**

Schlegel terminal blocks are standard terminals for industrial application, particularly suitable for electric machine control systems, switchgear and controlgear, distribution and measuring systems, as well as for the lift and equipment construction. The terminals are suitable for high and low voltage for DC and AC. They are featuring short assembly times and small dimensions. With a complete documentation of the production process acc. to

ISO 9001-2000 Schlegel ensures the highest quality standards. Precise mould construction is the prerequisite for the production of high-quality terminals. Therefore, the necessary production tools have been manufactured in-house for many years in order to retain control on one of the most important quality criterias.

Conductivity

To ensure a tight contact between conductor and metal (clamping) body with the lowest possible contact resistance, several factors are playing an important role. That includes the use of solid, drawn or bent metal (clamping) bodies and corrosion-proof materials, such as e.g. nickel-plated copper alloys, and soft surface coatings as e.g. tin in which the conductors can "embed". Even the wire protection bracket, preventing the wire from screw damage, provides a high contact pressure. The relatively large conductor cross-sections of the terminals reduce voltage drop to a minimum.

Schlegel also uses zinc-plated steel for the foot of the earth terminal where a safe contact to the support rail (= earthing) is extremely important.

On screw-type terminals the quality of the screws dictates the quality

of the terminal connection. Even when applying high tightening torques, the screws must not break nor melt with the female thread. For this reason, Schlegel terminal blocks are using rolled steel screws with a good galvanic surface coating with passivated zinc. The structure of rolled screws is compressed and strengthened, contrary to turned screws which have damaged fibres. The combination of steel screws and female threads made of copper alloy or steel successfully avoids melting, as can happen with brass-brass combinations.

Insulation

Insulating casings (insulating bodies) ensure the insulation from the surrounding area and the adjacent terminals. They must comply with the national and international specifications with regard to the creepage distance (transmission along the surface) and clearance distance (transmission through the air). This is achieved both by using high-quality polyamide 6.6 and by the specific construction of Schlegel terminal blocks (cavities in the casings extending the creepage distance).

The variety of approvals which Schlegel terminal blocks have

obtained worldwide are assured by utilising top-quality raw materials. The exclusive use of such materials is monitored by regular follow-up inspections carried through by the approval authorities.

The higher the quality of the insulating material, the smaller can be the creepage distance. As a matter of fact, using high-quality plastics exerts direct influence on the external dimensions of a terminal block: The better the material, the smaller the terminal!

Installation

Considering the respective connection diameter, Schlegel screw-type terminals are the smallest terminals in the market with regard to their height, length (across the support rail) and width (in line with the

rail). At the same time they have a relatively large clamping space compared to competitors' products.

Wire Insertion

For screw-type terminals the conductor must be stripped before wiring. The optimal insulation stripping length must be observed as defined in the description of the relative terminals.

Basically, the Schlegel terminal blocks securely accept all wire types (solid, multiple and fine-stranded) even without wire end ferrules. Soldering of fine-stranded conductors is prohibited, because the tin-solder tends to creep.

The grading system of the available rated cross-sections is standardised (1.5/2.5/4/6/... mm²) and defined in a way to enable the trouble-free connection of conductors with ferrules or solid conductors to the cross-section next in size without having to use the next larger terminal size (this does not apply to multiple or

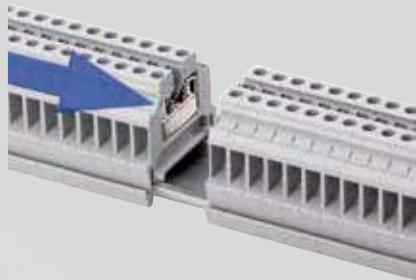
fine-stranded conductors!).

The Schlegel product portfolio offers terminals for the most popular rated cross-sections. With the 4mm² screw-type terminal Schlegel offers the cheapest terminal in this most frequently demanded range. Also, it should be pointed out that Schlegel terminals for 4mm² rated cross-section accept conductors down to 0.2mm in diameter. In case of screw-type terminals with very large rated cross-sections (IK120 and IK240) the conductors are connected using cable lugs. It should be taken care to use wide partition walls between two such terminals sizes in order to insulate the blank cable lugs against each other.

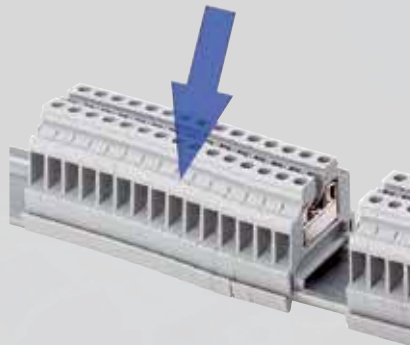
Assembly

The screws of Schlegel terminals are tightened or loosened by means of a slotted-screw driver or a customary hexagonal screwdriver (for the large-sized terminals). The interlocking insulating bodies of the Schlegel terminals facilitate the assembly work. Due to this interlocking feature it is also possible to snap on the terminals as pre-assembled blocks. Another advantage of this interlocking system is the straight alignment of all terminals, even in case of different tractive forces of the wires or a slightly bent support

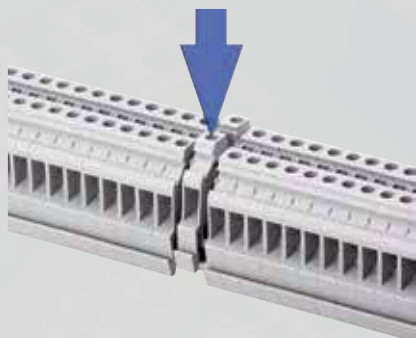
rail. Moreover, once snapped onto the rail, the terminal feet are relieved from stress which prevents material fatigue. However, if individual terminals have to be exchanged, the end clamp bracket must be loosened and the adjacent terminals must be shifted slightly. But this disadvantage takes only effect on the small number of exchanged terminals whereas the specified advantages become effective in general.



1. Slide-fitting of pre-assembled terminal blocks



2. Snap fitting of pre-assembled terminal blocks
Important: Once the terminals are mounted onto the rail, the snap-fit terminal feet are relieved from stress preventing the plastics from material fatigue.



3. Snap or slide fitting of individual terminals



4. Replacement of individual terminals: Once the terminal to be replaced has been set free by slightly shifting the adjacent terminals aside (each by approx. 3mm), it can be easily levered out by applying a screwdriver to the terminal foot.

Mounting on Support Rail N35

Schlegel terminal blocks have feet that simply snap onto the terminal rail from both sides and can be easily levered out with a screwdriver. Also, the terminals can be easily slid on the mounting rail from the side.

Rail-less Mounting

The terminals FK5 (for a rated cross-section of 4mm²) and FK16 (for a rated cross-section of 16mm²) are directly mounted e.g. on a switch cabinet. Since the terminals interlock securely into one another, only every 10th terminal has to be tightened by a screw. Attention should be paid to the fact that the FK5 and FK16 have different interlocking pins. Therefore, they cannot be mixed up when mounted.

PCB-Mounted

The 1.5mm² terminals with screw connection (type ref.: GK13) are directly soldered into a PCB. Two soldering pins keep the terminals in place even when tightening the screw strongly (protection of the solder connections). Moreover, the wire inserts of the terminals face upwards inclining by 30° from the horizontal in order to facilitate wire insertion. The galvanic tin-plating on a nickel diffusion barrier ensures excellent solderability.

„OSK - Original Schlegel Clamping System“

On the screw-type terminals with wire protection bracket the conductors are pressed onto the basis of the conductive clamping body by the lower foot of the wire protection bracket which is fastened by a screw. This system is called the “OSK” system



Secure Wire Insertion due to:

1. insulating walls next to wire insertion opening of the metal body,
2. reliable opening of the clamp when loosening the screws (because wire protection bracket snap-fits below screw head) and
3. limitation of clamping space by the lower arm of the wire protection bracket, thus no slipping of single wires or strands.



Direct clamping pressure transmission onto the wire at full bearing of the screw and protection of the wire (no damaging or piercing by the screw)

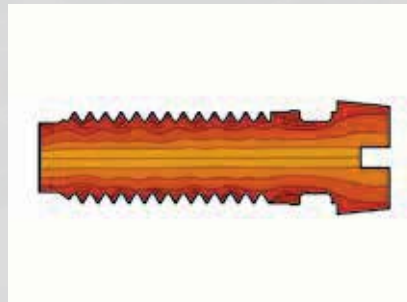


Security against tilting of the clamp (the solid metal clamping body prevents the connection „cages“ from tilting when using thin wires)

(Original Schlegel Clamping System), because it is unique in the terminal market. This construction ensures the so-called “Six Securities”:



Security against screw loosening under vibration by the resilient wire protection bracket that presses against the screw head (this makes the screws captive).



High tightening torque
The Schlegel terminals have rolled screws which, contrary to turned screws, feature a high-compressed structure with unbroken fibres in the thread area. The very high mechanical strength properties are achieved by thread rolling and assure high tightening torques



Security against wire loosening thanks to resilient wire protection brackets and elastic deformation properties of the clamping body

Miniature Terminals

The miniature screw-type terminals for 2.5mm² (type ref. HK3) are normal feed-through terminals (same as IK3), which does not fit the top-hat rail N35 but snaps on its smaller variant N15. Accordingly,

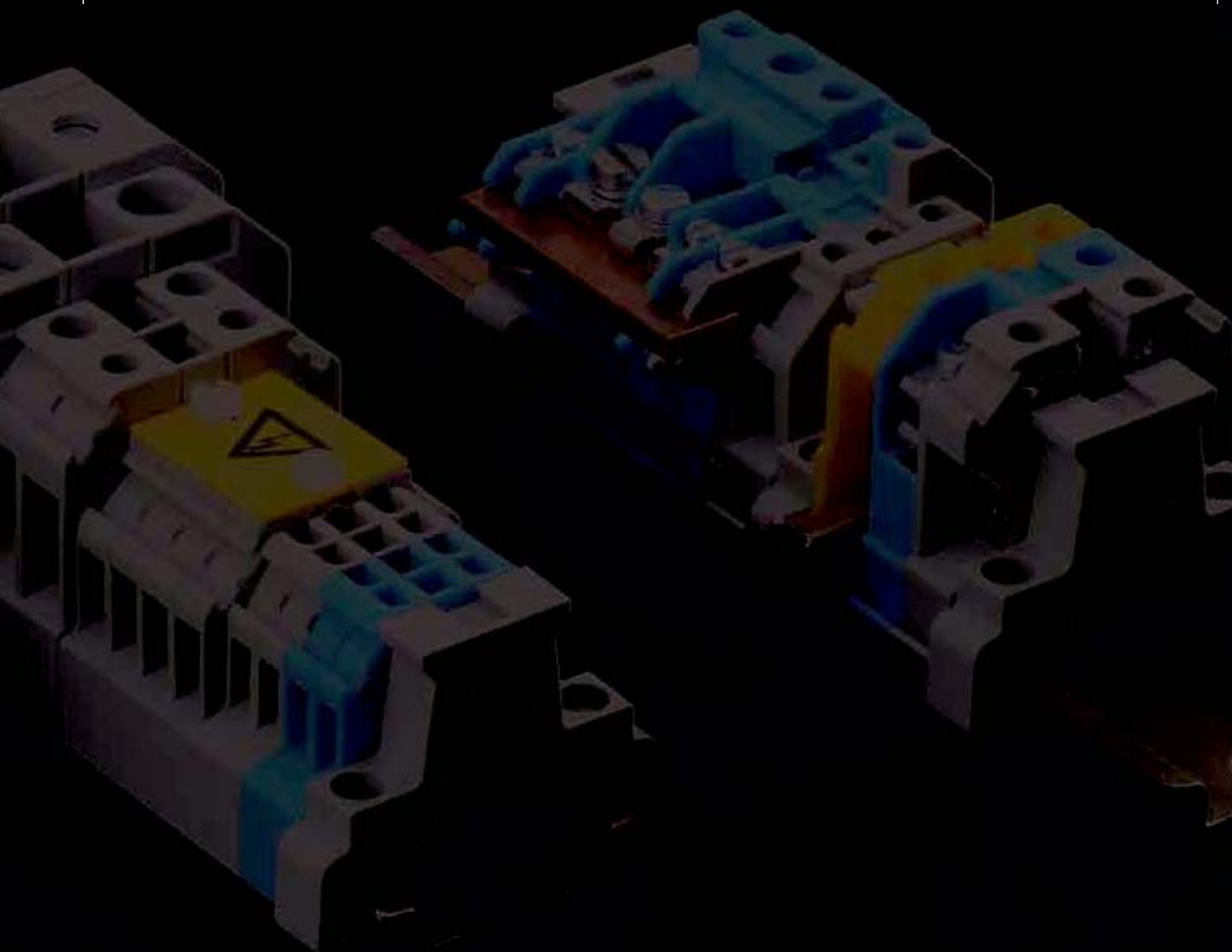
they are smaller in dimension, apart from their width.

Terminal Blocks with Flat-Plug Connections

Briefing

Particularly for the automotive industry, Schlegel also offer 4mm²-terminals with 2 x 2 flat plug connections for 6.3mm insulating sleeves (type ref. IZZ4).

This connection system features very quick and easy connection of the conductors, keeping them well in place.



01/10/15

02/10/15

03/10/15

04/10/15

05/10/15

06/10/15

Terminal Blocks with Spring-Cage Connection

For spring-cage terminals the conductor must be stripped before wiring. The optimal insulation stripping length must be observed as defined in the description of the relative terminals.

The maximum connection space of the IFK spring-cage terminals enables quick wiring of solid and multiple conductors, even with wire end ferrules.

The spring-cage terminal is opened by inserting a screwdriver in the appropriate square opening of the clamping body. Then

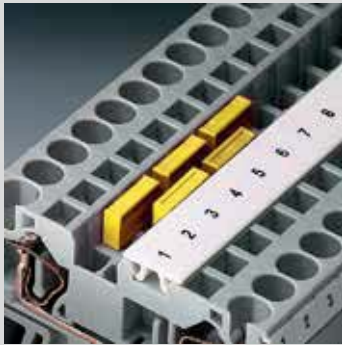
the conductor is inserted in the adjacent round opening. When removing the screwdriver the spring cage closes and the conductor is clamped. Only one conductor can be wired in the round opening. For that reason, some terminal types are available with two openings per side.



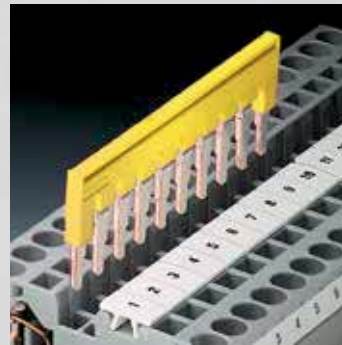
The maximum connection space of the IFK spring-cage terminal blocks enables quick wiring of flexible and rigid conductors, even for nominal conductor sizes with customised wire end ferrules.



The clear and easy-to-read marking in the terminal centre enables time-saving installation. In addition to the large-sized centre marking a side marking is also possible for each terminal.



Chain bridges allow to connect any number of terminal blocks. A staggered insertion of the two-pole bridges enables flexible chain bridging up to the required number of poles.



2- and 10-pole plug-in bridges reduce wiring times considerably, because up to 10 terminals can be bridged at the same time.



Bridging of non-adjacent terminal blocks is possible by breaking off individual teeth from the standard bridge. Thus allowing two potentials in parallel. The bridges offer marking options on their up side.

Terminal Blocks with IDC Fast Connection System (Insulation Displacement)

Briefing

For screw-type and spring-cage terminals the conductor must be stripped before wiring. This is not necessary for terminals with IDC fast connection system, as its name implies. On this system the conductive contact is established by insulation piercing or displacement inside the terminals. Therefore, wire end ferrules or special tools are not necessary to connect the conductors. For all kinds of IDC technology applies to always use the next larger sized terminal referred to the conductor cross-section because of the insulation (e.g. use 2.5 mm² terminal for 1.5mm² conductor).



Cut - Connect - Ready !

Time savings of 60 % and more compared to other connection systems.

Stripping and splicing is no longer necessary thanks to the insulation displacement connection system (IDC technology). All that is needed is to cut the conductors of the correct length and they can then be contacted within seconds.

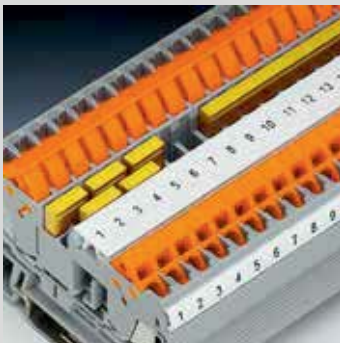
IDC Shift-Clip Connection

On the ISK series the conductor connection of 0.25 to 2.5 mm² is made by the patented insulation displacement contact (IDC cutting technology). The conductor is inserted in a shift-clip connection. After closing the shift-clip closure with a screwdriver, two convergent metal edges of the clamping body cut through the conductor insulation to establish a conductive contact. For disconnection and removal of the conductor the shift-clip closure must be opened. When installing these terminals, it should be noted that they are not equipped with interlocking pins. They also differ from the Schlegel screw-type terminal blocks with regard to their dimensions.

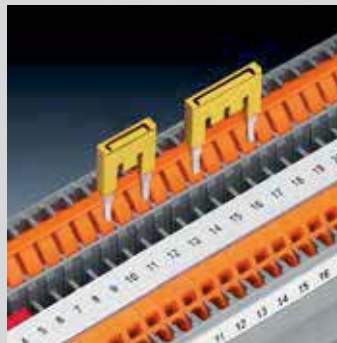


Powerful IDC contact

0.25 to 2.5 mm² conductors are connected using the patented insulation displacement contact (IDC). High-grade special alloys and snap-fittings of the switching statuses always ensure a secure electrical connection. Large-surface, spring-loaded contact points guarantee a current carrying capacity of 24 A.



A standardised bridging system enables efficient and user-friendly connection of several terminal blocks to one bridge. Two- and ten-pole bridges are available which help to reduce wiring times considerably.



2- and 10-pole plug-in bridges reduce wiring expenditure considerably, because up to 10 terminal blocks can be bridged at the same time.



A clear and easy-to-read marking in the terminal centre is a prerequisite for time-saving installation. Additionally to the large-sized centre marking, a side marking is also possible for each terminal.



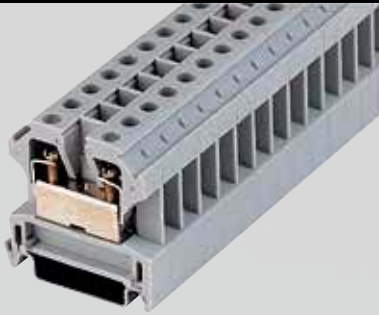
Quick-assembly Terminal Blocks

rated cross section	2.5 mm²
solid	0.5 ... 4 mm ²
multiple wire	0.5 ... 2.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.1 mm
Connection type	screw connection, slotted screw
tightening torque	0.5 Nm
rated voltage	750 V
rated current	25 A
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	II
rated impulse voltage	8 kV
stripping length	8 mm
data acc. to UL1059	
tightening torque	5 Lb In
connection range (solid wire)	22-12 AWG
rated voltage	600 V
rated current	20 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	18-12 AWG
rated voltage	600 V
rated current	25 A
identification labels	HSKM50...
end sections	IW2, IW4
jumpers	VB2-12, VB2-2
type	light-grey IK3 blue IK3BL



Quick-assembly Terminal Blocks

rated cross section	4 mm²
solid	0.5 ... 6 mm ²
multiple wire	0.5 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	6 mm
Connection type	screw connection, slotted screw
tightening torque	0.8 Nm
rated voltage	750 V
rated current	32 A
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	9 mm
data acc. to UL1059	
tightening torque	9...13 Lb In
connection range (solid wire)	10-22 AWG
rated voltage	600 V
rated current	30 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	20-10 AWG
rated voltage	600 V
rated current	40 A
identification labels	HSKM60...
end sections	IW16, IW4
jumpers	VB4-12, VB4-2
type	light-grey IK5 blue IK5BL



VDE
Quick-assembly Terminal Blocks

10 mm²
0.5 ... 10 mm ²
0.5 ... 10 mm ²
Top hat rail N35, EN60715 TH35
8 mm

screw connection, slotted screw

0.8 Nm
830V/1000V (-> Note!)
57 A
-30°C ... 40°C at 57A)

V2
3
III
I
8 kV
11 mm

13.3 Lb In
8-22 AWG
600 V
50 A

24-8 AWG
600 V
50 A

HSKM80...
IW16, IW50
VB6-12, VB6-2

light-grey	IK10
blue	IK10BL

VDE
Quick-assembly Terminal Blocks

16 mm²
0.5 ... 16 mm ²
0.5 ... 16 mm ²
Top hat rail N35, EN60715 TH35
10 mm

screw connection, slotted screw

1.2 Nm
1000 V
76 A
-30°C ... 40°C

V2
3
III
I
8 kV
11 mm

18 Lb In
6-22 AWG
600 V
65 A

2 Nm
20-6 AWG
600 V
68 A

HSKM100...
IW16, IW50
VB16-12, VB16-2

light-grey	IK16
blau	IK16BL

VDE
Quick-assembly Terminal Blocks

25 mm²
10 ... 25 mm ²
10 ... 25 mm ²
Top hat rail N35, EN60715 TH35
12 mm

screw connection, slotted screw

2.5 Nm
1000 V
101 A
-30°C ... 40°C

V2
3
III
I
8 kV
16 mm

53 Lb In
4-8 AWG Str
600 V
85 A

10-4 AWG
600 V
70 A

HSKM60...
IW50, IW70
VB25, VBU35

light-grey	IK25
blau	IK25BL

1000 V max. when using a partition wall IW16 between the terminals



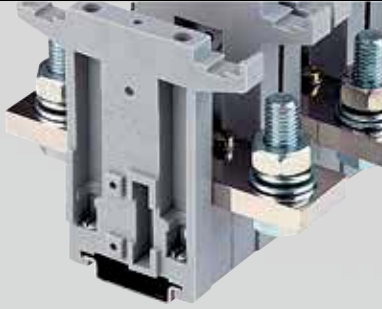
Quick-assembly Terminal Blocks

rated cross section	50 mm²
solid	2x16/1x16 50 mm ²
multiple wire	2x16/1x16 50 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	16 mm
Connection type	screw connection, hexagon socket/slotted screw
tightening torque	5.6 Nm / 4 Nm
rated voltage	1000 V
rated current	150 A
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	16 mm
data acc. to UL1059	
tightening torque	5,6 Nm
connection range (solid wire)	1/0-6 AWG
rated voltage	600 V
rated current	150 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HSKM60...
end sections	IW51, IW70
jumpers	VB35, VBU35
type	light-grey IK51 blue IK51BL



Quick-assembly Terminal Blocks

70 mm²
25 ... 70 mm ²
25 ... 70 mm ²
Top hat rail N35, EN60715 TH35
23 mm
screw connection, hexagon nut
10 Nm
1000 V
192 A
-30°C ... 40°C
V2
3
III
I
8 kV
26 mm
123 Lb In
4/0-2 AWG
600 V
250 A
20 Nm
2-0000 AWG
600 V
200 A
HSKM60...
IW70
VB70, VBU35
light-grey IK70



Quick-assembly Terminal Blocks

120 mm²
120 mm ²
120mm ²
Top hat rail N35, EN60715 TH35
48 mm
screw connection, hexagon nut for bars or cable lugs
10 Nm
750 V
269 A
-30°C ... 40°C
V2
3
III
II
8 kV
360 Lb In
3/0 AWG
600 V
200 A
0-0000 AWG
600 V
280 A
HSKM100...
IW120
light-grey
IK120



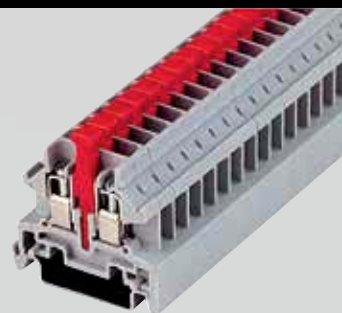
Quick-assembly Terminal Blocks

240 mm²
240 mm ²
240mm ²
Top hat rail N35, EN60715 TH35
58 mm
screw connection, hexagon nut for bars or cable lugs
14 Nm
750 V
415 A
-30°C ... 40°C
V2
3
III
II
8 kV
480 Lb In
300 MCM
600 V
285 A
000 AWG-350 MCM
600 V
380 A
HSKM100...
light-grey
IK240



Quick-assembly Terminal Blocks

4 mm²
Top hat rail N35, EN60715 TH35
6.1 mm
flag plug connections 0.8x6.3 mm
750 V
32 A
-30°C ... 40°C
V2
3
III
II
HSKM60...
VB4-12, VB4-2
light-grey
IZZ4

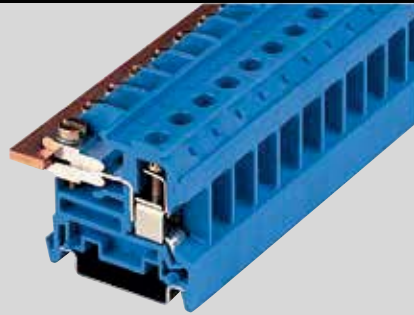
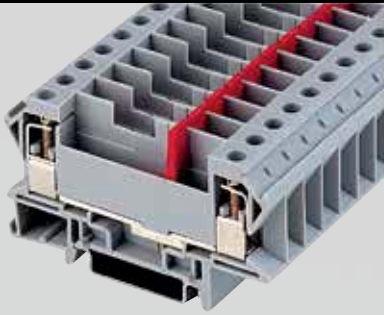


Separator Terminals



Separator Terminals

rated cross section	4 mm²	4 mm²
solid	0.5 ... 4 mm ²	0.5 ... 4 mm ²
multiple wire	0.5 ... 4 mm ²	0.5 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35
terminal width	6 / 40 / 39 mm	6 / 40 / 39 mm
Connection type	screw connection, slotted screw	screw connection, slotted screw
tightening torque	0.8 Nm	0.8 Nm
rated voltage	500 V	500 V
rated current	16 A	16 A
operating temperature	-30°C ... 40°C	-30°C ... 40°C
data acc. to IEC 60947-7-1		
flammability rating acc. to UL94	V2	V2
pollution degree	3	3
overvoltage category	III	III
material group	II	II
rated impulse voltage	8 kV	8 kV
stripping length	7 mm	7 mm
data acc. to UL1059		
tightening torque		
connection range (solid wire)		
rated voltage		
rated current		
data acc. to CSA C22.2 No 158-1987, ECN 5488		
tightening torque		
connection range (solid wire)	22-12 AWG	22-12 AWG
rated voltage	300 V	300 V
rated current	20 A	20 A
identification labels	HSKM60...	HSKM60...
end sections	IW16, IW4	IW16, IW4
jumpers		
type	light-grey IKT4	light-grey IKTS4
	red IKT4RT	
	blue IKT4BL	
	Separator terminal without disconnecting plug	Separator terminal + disconnecting plug (captive)



Separator Terminals with disconnect slider

10 mm²
0.5 ... 10 mm ²
0.5 ... 10 mm ²
Top hat rail N35, EN60715 TH35
8 / 72 / 44 mm

screw connection, slotted screw

0.8 Nm
500 V
57 A
-30°C ... 40°C

V2
3
III
II
6 kV
9 mm

HSKM80...
IWT10, IWTT10
VBL10, VBT10-4

light-grey **IKT10**



Neutral Wire Separator Terminals

4 mm²
0.5 ... 6 mm ²
0.5 ... 4 mm ²
Top hat rail N35, EN60715 TH35
6 / 49 / 39 mm

screw connection, slotted screw

0.5 Nm
500 V
32 A
-30°C ... 40°C

V2
3
III
II
8 kV
8 mm

HSKM60...
IWTR4

blue **IKTR4**



Neutral Wire Separator Terminals

10 mm²
0.5 ... 10 mm ²
0.5 ... 10 mm ²
Top hat rail N35, EN60715 TH35
8 / 49 / 44 mm

screw connection, slotted screw

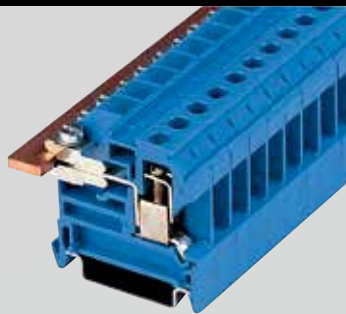
0.8 Nm
500 V
57 A
-30°C ... 40°C

V2
3
III
II
8 kV
10 mm

HSKM80...
IWTR4

blue **IKTR10**

Bus Technology
 Terminal Blocks
 Screw Connection



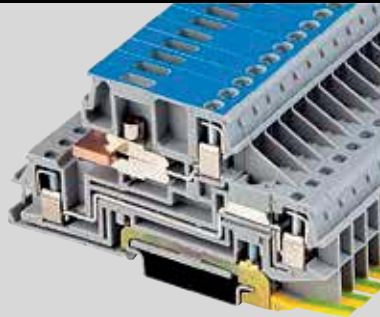
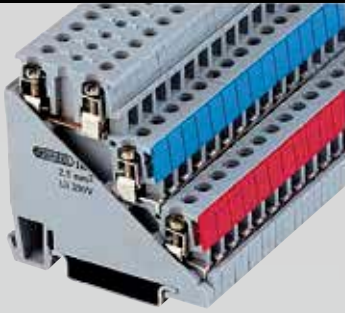
Neutral Wire Separator Terminals



PE/N - Combined Three-wire Terminals

rated cross section	16 mm²	4 mm²
solid	0.5 ... 16 mm ²	0.5 ... 6 mm ²
multiple wire	0.5 ... 16 mm ²	0.5 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35
terminal width	10 / 49 / 44 mm	12 / 54 / 44 mm
Connection type	screw connection, slotted screw	screw connection, slotted screw
tightening torque	1.2 Nm	0.5 Nm
rated voltage	500 V	500 V
rated current	76 A	32 A
operating temperature	-30°C ... 40°C	-30°C ... 40°C
data acc. to IEC 60947-7-1		
flammability rating acc. to UL94	V2	V2
pollution degree	3	3
overvoltage category	III	III
material group	II	II
rated impulse voltage	8 kV	8 kV
stripping length	10 mm	Earth connection terminal 10mm, separator terminal 7mm, feed-through terminal 9mm
data acc. to UL1059		
tightening torque		
connection range (solid wire)		
rated voltage		
rated current		
data acc. to CSA C22.2 No 158-1987, ECN 5488		
tightening torque		
connection range (solid wire)		
rated voltage		
rated current		
identification labels	HSKM100...	HSKM50...
end sections	IWTR4	IW2
jumpers		
type	blue IKTR16	blue/light-grey IKTRED

Combined three-wire terminal for the neutral, for the phase and for the PE conductor (with green/yellow marking)



Initiator Terminals

2.5 mm²

0.5 ... 2.5 mm²

0.5 ... 2.5 mm²

Top hat rail N35, EN60715 TH35

6 / 55 / 57 mm

screw connection, slotted screw

0.5 Nm

24 A

-30°C ... 40°C

V2

3

III

II

Feed-through terminal 7 mm,
connecting bar connections 8 mm

HSKM60...

light-grey

IKI4



Distribution Terminals

4 mm²

0.5 ... 6 mm²

0.5 ... 4 mm²

Top hat rail N35, EN60715 TH35

6 / 88 / 52 mm

screw connection, slotted screw

0.8 Nm

380 V

32 A

-30°C ... 40°C

V2

3

III

II

8 kV

7 mm / earth connection terminal 10 mm

HSKM60...

IWEPTR

VB4-12, VB4-2

light-grey

IKEPTR

PE conductor on support rail,
neutral wire isolation on busbar



Distribution Terminals

4 mm²

0.5 ... 6 mm²

0.5 ... 4 mm²

Top hat rail N35, EN60715 TH35

6 / 88 / 52 mm

screw connection, slotted screw

0.8 Nm

380 V

32 A

-30°C ... 40°C

V2

3

III

II

8 kV

7 mm / earth connection terminal 10 mm

HSKM60...

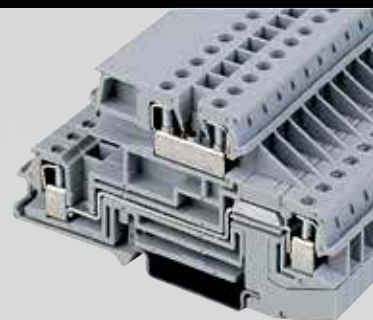
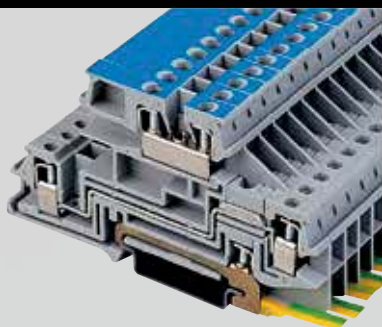
IWEPTR

VB4-12, VB4-2

light-grey

IKEPT

PE conductor on support rail,
neutral wire isolation



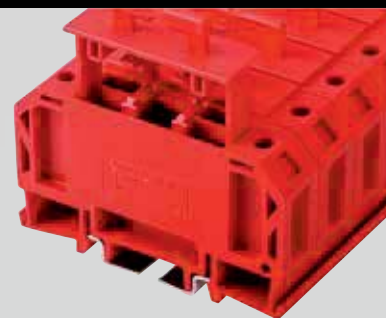
Distribution Terminals

rated cross section	4 mm²
solid	0.5 ... 6 mm ²
multiple wire	0.5 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	6 / 88 / 52 mm
Connection type	screw connection, slotted screw
tightening torque	0.8 Nm
rated voltage	380 V
rated current	32 A
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	II
rated impulse voltage	8 kV
stripping length	Earth connection terminal 10 mm, neutral wire 9 mm, feed-through terminal 7 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HSKM60...
end sections	IWEPTR
jumpers	VB4-12, VB4-2
type	light-grey IKEPN
	PE conductor on support rail, continuous neutral wire



Distribution Terminals

rated cross section	4 mm²
solid	0.5 ... 6 mm ²
multiple wire	0.5 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	6 / 88 / 52 mm
Connection type	screw connection, slotted screw
tightening torque	0.8 Nm
rated voltage	380 V
rated current	32 A
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	II
rated impulse voltage	8 kV
stripping length	9 / 7 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HSKM60...
end sections	IWEPTR
jumpers	VB4-12, VB4-2
type	light-grey IKPP
	2-pole feed-through terminal



Fuse Terminals

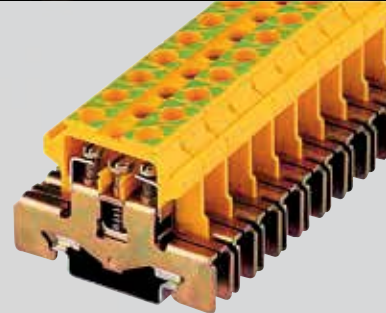
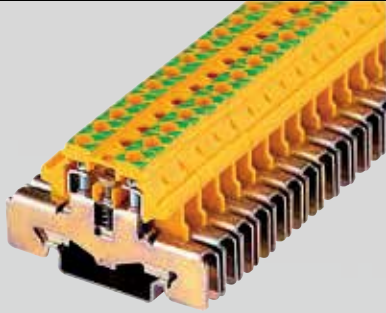


Fuse Terminals

rated cross section	4 mm²	6 mm²
solid	0.5 ... 6 mm ²	0.5 ... 6 mm ²
multiple wire	0.5 ... 4 mm ²	0.5 ... 6 mm ²
mounting method	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35
terminal width	8.1 / 52 / 4.,5 mm	16 / 74 / 55 mm
Connection type	screw connection, slotted screw	screw connection, slotted screw
tightening torque	0.8 Nm	0.8 Nm
rated voltage		850 V
rated current	20 A max.	13.5 A/20 A max. (compound/separate arrangement)
operating temperature	-30°C ... 40°C	-30°C ... 55°C
data acc. to IEC 60947-7-1		
flammability rating acc. to UL94	V2	V0
pollution degree	3	3
overvoltage category	III	III
material group	II	I
rated impulse voltage		
stripping length	7 mm	9 mm
data acc. to UL1059		
tightening torque		
connection range (solid wire)		8-22 AWG
rated voltage		600 V
rated current		20 A
data acc. to CSA C22.2 No 158-1987, ECN 5488		
tightening torque		
connection range (solid wire)		
rated voltage		
rated current		
identification labels	HSKM80...	
end sections		
jumpers		KVS10-8
type	light-grey IKFS15	light-grey IKSI10 rot IKSI10RT

for automotive fuse links, used e.g. in construction machinery and caravans

for 10,3x38 mm fuses incl. fuseholder but without cartridge fuses (please order separately)



Earth Connection Terminals

4 mm²

0.5 ... 4 mm²

0.5 ... 4 mm²

Top hat rail N35, EN60715 TH35

7.5 / 56 / 38 mm

screw connection, slotted screw

0.5 Nm

-30°C ... 40°C

V2

3

III

9 mm

8 Lb In

10-22 AWG

HSKM80...

yellow/green

IKE4

Please follow the instructions about the electrical short-term withstand current of top hat rails.



Earth Connection Terminals

10 mm²

4 ... 10 mm²

4 ... 10 mm²

Top hat rail N35, EN60715 TH35

8.5 / 56 / 43 mm

screw connection, slotted screw

0.8 Nm

-30°C ... 40°C

V2

3

III

10 mm

13.3 Lb In

8 AWG, Str

HSKM80...

yellow/green

IKE10

Please follow the instructions about the electrical short-term withstand current of top hat rails.



Earth Connection Terminals

16 mm²

0.5 ... 16 mm²

0.5 ... 16 mm²

Top hat rail N35, EN60715 TH35

10.5 / 56 / 45 mm

screw connection, slotted screw

1.2 Nm

-30°C ... 40°C

V2

3

III

11 mm

18 Lb In

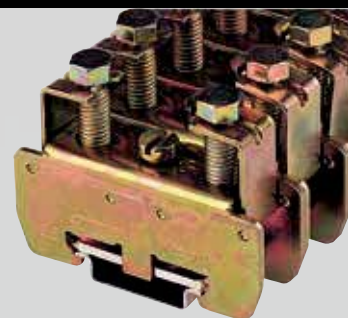
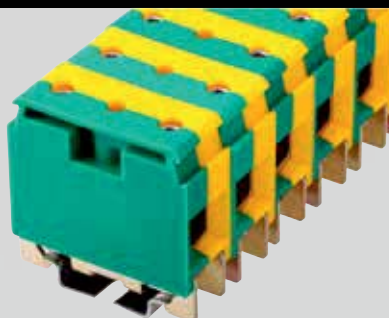
6 AWG, Str

HSKM100...

yellow/green

IKE16

Please follow the instructions about the electrical short-term withstand current of top hat rails.



Earth Connection Terminals

rated cross section	35 mm²
solid	2x16/1x16 35 mm ²
multiple wire	2x16/1x16 35 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	19 / 50 / 52 mm
Connection type	screw connection, hexagon socket
tightening torque	5.6 Nm
rated voltage	
rated current	
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V2
pollution degree	3
overvoltage category	III
material group	II
rated impulse voltage	
stripping length	13 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HSKM100...
end sections	
jumpers	
type	IKE51

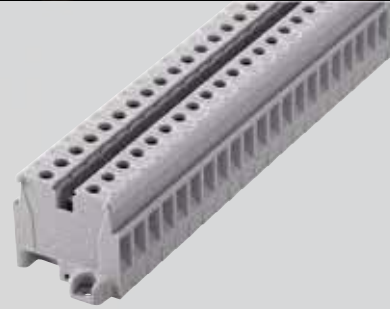
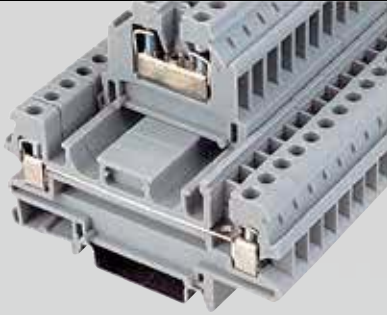


Earth Connection Terminals

rated cross section	70 mm²
solid	16 70 mm ²
multiple wire	16 70 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	20 / 68 / 58 mm
Connection type	screw connection, hexagon nut
tightening torque	6 Nm
rated voltage	
rated current	
operating temperature	-30°C ... 40°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	
pollution degree	3
overvoltage category	III
material group	
rated impulse voltage	
stripping length	22 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	
end sections	
jumpers	
type	IKE70

Please follow the instructions about the electrical short-term withstand current of top hat rails.

Please follow the instructions about the electrical short-term withstand current of top hat rails.ils.



Pickaback Terminals

4 mm²

0.5 ... 6 mm²

0.5 ... 4 mm²

Top hat rail N35, EN60715 TH35

6 / 76 / 38 mm

screw connection, slotted screw

0.5 Nm

750 V

32 A

-30°C ... 40°C

V2

3

III

II

8 kV

7 mm

9...13 Lb In

10-22 AWG

600 V

30 A

20-10 AWG

600 V

40 A

HSKM60...

IWH4

VB4-12, VB4-2

light-grey

IKH4

blue

IKH4BL

Terminal types that fit on the second level:
IK3 up to IK16, IKS14, IKT4, IKTR4, IKTR16



Miniature Terminals

2.5 mm²

0.5 ... 4 mm²

0.5 ... 2.5 mm²

Top hat rail N15

5.1 / 29 / 32 mm

screw connection, slotted screw

0.5 Nm

500 V

25 A

-30°C ... 40°C

V2

3

III

II

8 mm

5 Lb In

22-12 AWG

300 V

20 A

18-12 AWG

300 V

25 A

HSKM50...

EH2

VB2-12, VB2-2

light-grey

HK3



Rail-less Terminal Blocks

4 mm²

0.5 ... 6 mm²

0.5 ... 4 mm²

screw fastening

6.8 / 32 / 27 mm

screw connection, slotted screw

0.8 Nm

750 V

32 A

-30°C ... 40°C

V2

3

III

7 mm

HSKM60...

VB4-12, VB4-2

600 V

30 A

18-12 AWG

300 V

25 A

HSKM60...

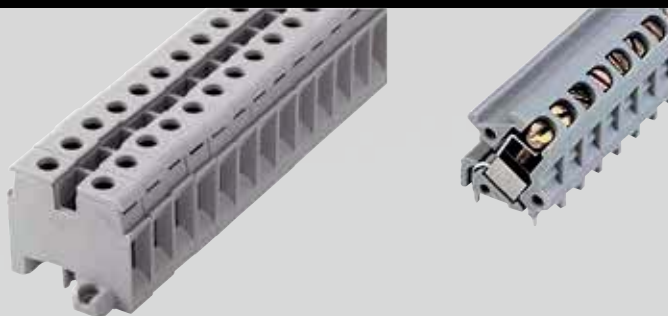
EH2

VB4-12, VB4-2

light-grey

FK5

Easy and simple mounting. Screw every tenth terminal to secure the interlocking of the terminal row.



Rail-less Terminal Blocks



Rail-less Terminal Blocks

rated cross section	16 mm²	1.5 mm²
solid	0.5 ... 16 mm ²	0.15 ... 1.5 mm ²
multiple wire	0.5 ... 16 mm ²	0.15 ... 1.5 mm ²
mounting method	screw fastening	PCB-mount terminals
terminal width	10 / 37 / 33 mm	5 / 16 / 19 mm
Connection type	screw connection, slotted screw	screw connection, slotted screw
tightening torque	1.2 Nm	0.5 Nm
rated voltage	750 V	250 V
rated current	76 A	
operating temperature	-30°C ... 40°C	-30°C ... 40°C
data acc. to IEC 60947-7-1		
flammability rating acc. to UL94	V2	V2
pollution degree	3	3
overvoltage category	III	III
material group	II	
rated impulse voltage		
stripping length	11 mm	7 mm
data acc. to UL1059		
tightening torque	18 Lb In	
connection range (solid wire)	6-22 AWG	
rated voltage	600 V	
rated current	65 A	
data acc. to CSA C22.2 No 158-1987, ECN 5488		
tightening torque		
connection range (solid wire)	6 AWG	
rated voltage	600 V	
rated current	80 A	
identification labels	HSKM100...	HSKM50...
end sections		GWL3
jumpers	VB16-2	
type	light-grey FK16	light-grey GKL3

Easy and simple mounting. Screw every tenth terminal to secure the interlocking of the terminal row.

Fixation on PCB: 2 soldering pins for PCB's with 1.3 mm holes
Wire insertion: at an angle of 30° upward from the horizontal line



- 0000
- 0001
- 0002
- 0003
- 0004
- 0005
- 0006
- 0007
- 0008
- 0009
- 0010
- 0011
- 0012
- 0013
- 0014
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- 0099

Illustration	Dimensions	Description	Type
		<p>Identification Labels, blank 100-piece sheet suitable for GKL3, HK3, IK3, IKTRED, IK3BL</p>	<p>HSKM50U</p>
		<p>Identification Labels, printed 100-piece sheet printed from 1 ... 100 other imprints on request suitable for GKL3, HK3, IK3, IKTRED, IK3BL</p>	<p>HSKM50_1-100</p>
		<p>Identification Labels, blank 100-piece sheet suitable for FK5, IK25, IK5, IK51, IK70, IKEPN, IKEPP, IKEPT, IKEPTR, IKH4, IK14, IKPP, IKT4, IKTR4, IKTS4, IZZ4, IK5BL, IK25BL, IK51BL, IKT4RT, IKT4BL, IKH4BL</p>	<p>HSKM60U</p>
		<p>Identification Labels, printed 100-piece sheet printed from 1 ... 100 other imprints on request suitable for FK5, IK25, IK5, IK51, IK70, IKEPN, IKEPP, IKEPT, IKEPTR, IKH4, IK14, IKPP, IKT4, IKTR4, IKTS4, IZZ4, IK5BL, IK25BL, IK51BL, IKT4RT, IKT4BL, IKH4BL</p>	<p>HSKM60_1-100</p>
		<p>Identification Labels, blank 50-piece sheet suitable for IK10, IKE10, IKE4, IKFSI5, IKS15, IKT10, IKTR10, IK10BL</p>	<p>HSKM80U</p>
		<p>Identification Labels, printed 50-piece sheet printed from 1 ... 50 other imprints on request suitable for IK10, IKE10, IKE4, IKFSI5, IKS15, IKT10, IKTR10, IK10BL</p>	<p>HSKM80_1-50</p>

High Technology
 Expansion
 Limit Systems
 Terminal Blocks
 Screw Connectors

Illustration	Dimensions	Description	Type
<p>Identification Labels, printed 50-piece sheet printed from 51 ... 100 other imprints on request suitable for IK10, IKE10, IKE4, IKFSI5, IKS15, IKT10, IKTR10, IK10BL HSKM80_51-100</p>			
	<p>Identification Labels, blank 50-piece sheet suitable for FK16, IK120, IK16, IK240, IKE16, IKE51, IKS14, IKTR16, IK16BL . . . HSKM100U</p>		
<p>Identification Labels, printed 50-piece sheet printed from 1 ... 50 other imprints on request suitable for FK16, IK120, IK16, IK240, IKE16, IKE51, IKS14, IKTR16, IK16BL . . . HSKM100_1-50</p>			
<p>Identification Labels, printed 50-piece sheet printed from 51 ... 100 other imprints on request suitable for FK16, IK120, IK16, IK240, IKE16, IKE51, IKS14, IKTR16, IK16BL . . . HSKM100_51-100</p>			
	<p>Top Hat Rail N35-7.5 mm The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 1.92kA 2 m long</p>		N35-2
	<p>Top Hat Rail N35-7.5 mm, punched The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 1.92kA 2 m long</p>		N35L-2









Illustration	Dimensions	Description	Type
		<p>Top Hat Rail N35-15 mm, punched</p> <p>The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 6kA 2 m long</p>	N35L-2_15MM
		<p>Top Hat Rail N15-5,5</p> <p>The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 1.2kA 2 m long</p>	N15-2
		<p>End clamp bracket</p> <p>used as a fixing bracket at the end of a row of terminal blocks fits on N35-2, N35L-2, N35L-2_15MM rails</p>	SK35
		<p>End clamp bracket, reinforced version</p> <p>used as a fixing bracket at the end of a row of terminal blocks. For terminal blocks from 50 mm² up the reinforced version is recommended. Fits on N35-2, N35L-2, N35-2_15MM rails.</p>	SKS35
		<p>End Clamp Bracket</p> <p>used as a fixing bracket at the end of a row of terminal blocks fits on N15-2 rails</p>	SK15
		<p>End Clamp Bracket</p> <p>serves as a fixing bracket at the end of a row of terminal blocks, fits on N15-2</p>	ESK15

Illustration	Dimensions	Description	Type
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Insulated End Section

The end section of each terminal size is designed in a way that it can be used as partition for the next smallest terminal size.

IK3, IKTR4, IK3BL	IW2
IK3, IK5, IKT4, IKTS4, IK3BL, IK5BL, IKT4RT, IKT4BL	IW4
IK5, IK10, IK16, IK5BL, IK10BL, IK16BL, IKT4, IKT4RT, IKT4BL, IKTS4	IW16
IK10, IK16, IK25, IK10BL, IK16BL, IK25BL	IW50
IK51, IK51BL	IW51
IK25, IK51, IK70, IK25BL, IK51BL	IW70
IKEPTR, IKEPT, IKEPN, IKPP, IKEPP	IWEPTR
IKH4, IKH4BL	IWH4
IKT10	IWT10
IKTR4, IKTR10, IKTR16	IWTR4
IZZ4	IWZZ4
HK3	EH2
GKL3	GWL3



Insulating partition, large size

fits on

IK3, IK5, IK3BL, IK5BL	ITW4
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Insulating Partition

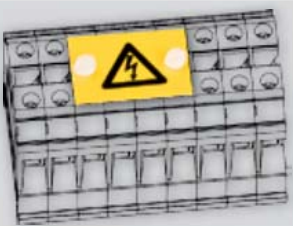
fits on

IKT10	IWTT10
IK120, IK240	TW240

Partition Wall

suitable for

FK5	TWF5
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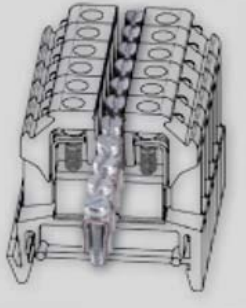
Safety cover

insulating cover with marking acc. to VBG125
over 4 terminals, version for more than 4 terminals on request
suitable for

IK3, HK3, IK3BL	KAW2
IK5, FK5, IK5BL	KAW4
IK10, IK10BL	KAW10
IK16, FK16, IK16BL	KAW16
IK25, IK25BL	KAW25
IK51	KAW35
IK70	KAW70
IK120	KAW120
IK240	KAW240

Terminal Blocks
 Screw Terminal
 Terminal Blocks
 Limit Switches
 Terminals
 Bus Technology
 Power II
 Power III
 Power IV

Illustration	Dimensions	Description	Type
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Jumper, 2 poles

to connect adjacent terminals

- | | |
|---|----------------|
| 2 poles, suitable for
IK3, HK3, IK3BL | VB2-2 |
| 12 poles, suitable for
IK3, HK3, IK3BL | VB2-12 |
| 2 poles, suitable for
IK5, IZZ4, IKH4, IKEPTR, IKEPT, IKEPN, IKPP, IKEPP, IK5BL, IKH4BL | VB4-2 |
| 12 poles, suitable for
IK5, IZZ4, IKEPTR, IKEPT, IKEPN, IKPP, IKEPP, IKH4, IK5BL, IKH4BL | VB4-12 |
| 2 poles, suitable for
FK5 | VBS4-2 |
| 3 poles, suitable for
FK5 | VBS4-3 |
| 2 poles, suitable for
IK10, IK10BL | VB6-2 |
| 12 poles, suitable for
IK10, IK10BL | VB6-12 |
| 12 poles, suitable for
IK16, FK16, IK16BL | VB16-2 |
| 12 poles, suitable for
IK16, IK16BL | VB16-12 |
| 2 poles, suitable for
IK25, IK25BL | VB25 |
| 2 poles, suitable for
IK51, IK51BL | VB35 |
| 2 poles, suitable for
IK70 | VB70 |



Connecting Strap

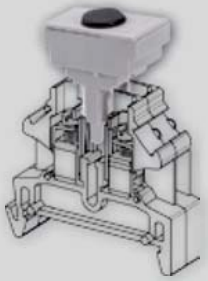
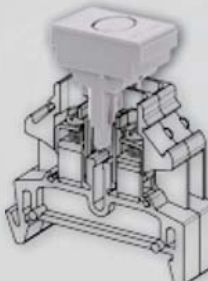
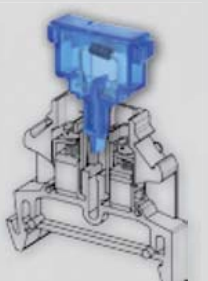
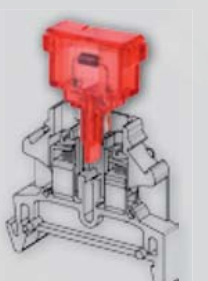

to connect adjacent jumpers

- | | |
|--|---------------|
| 2 poles, suitable for
IK3, HK3, IK3BL | VL2-2 |
| 2 poles, suitable for
IK5, IKH4, FK5, IKEPN, IKPP, IKEPP, IK5BL, IKH4BL | VL4-2 |
| 2 poles, suitable for
IK10, IK10BL | VL6-2 |
| 2 poles, suitable for
IK16, FK16, IK16BL | VL16-2 |
| 2 poles, suitable for
IK25, IK25BL | VL25 |
| 3 poles, suitable for
IK25, IK25BL | VL25-3 |
| 3 poles, suitable for
IK51, IK51BL | VL35-3 |
| 2 poles, suitable for
IK70 | VL70 |
| 3 poles, suitable for
IK70 | VL70-3 |

High Technology
 Explosion
 Unit System
 Terminal Blocks
 Street Connection

Illustration	Dimensions	Description	Type
		<p>Connecting Plug for bridging two terminals suitable for IKT10</p>	VST10
		<p>Comb-type jumper suitable for IKFSI5 IKI4 IKSI10RT, IKSI10</p>	<p>KVFI4-12 KVI4-12 KVS10-8</p>
		<p>Disconnecting Plug suitable for IKT4, IKT4RT, IKT4BL</p>	TS4
		<p>Resistor Plug with finely adjustable Cermet variable resistor 20 Ohm suitable for IKT4, IKT4RT, IKT4BL</p>	WS20

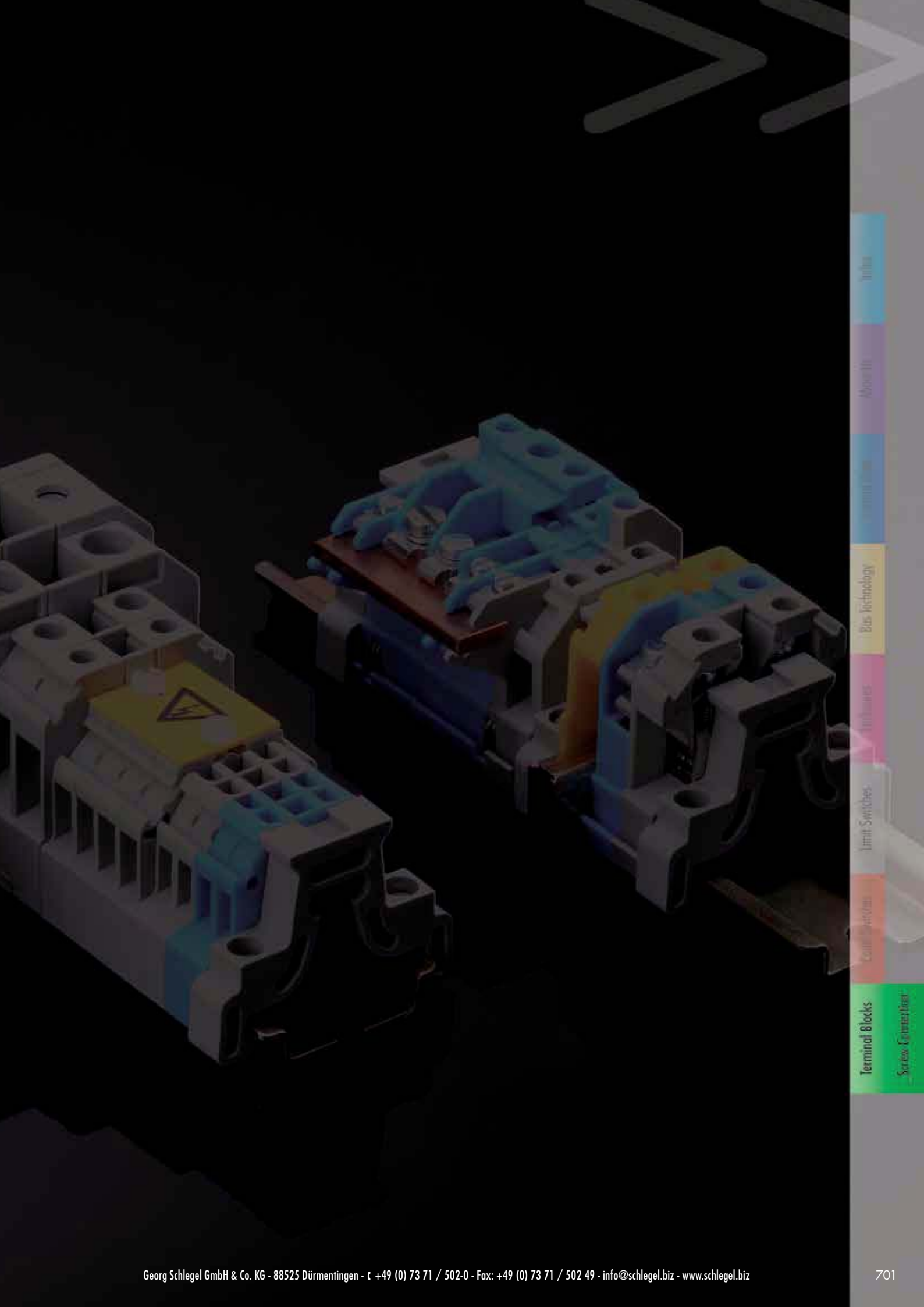


Illustration	Dimensions	Description	Type
		<p>Bridge Rectifier with Si-rectifier B 250 C 1000, suitable for IKT4, IKT4RT, IKT4BL</p>	<p>BGS</p>
		<p>Quenching Diode Plug with diode up to 400V / 1A, the diode plugs have reverse polarity protection, suitable for IKT4, IKT4RT, IKT4BL</p>	<p>DSL</p>
		<p>Diode Plug, blue with diode up to 400V / 1A, the diode plugs have reverse polarity protection, suitable for IKT4, IKT4RT, IKT4BL</p>	<p>DS_BL</p>
		<p>Diode plug, red with diode up to 400V / 1A, the diode plugs have reverse polarity protection, suitable for IKT4, IKT4RT, IKT4BL</p>	<p>DS_RT</p>
		<p>Fuseholder suitable for IKSI4</p>	<p>SH20</p>

High Technology
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 Screen Connection

Illustration	Dimensions	Description	Type
		Cartridge Fuse DIN 41571 0.125A, suitable for 0,ww125A 0.2A 0.5A 0.8A 1.0A 1.6A 2.0A 4.0A 6.3A	SP20-0,125 SP20-0,2 SP20-0,5 SP20-0,8 SP20-1,0 SP20-1,6 SP20-2,0 SP20-4,0 SP20-6,3
		Colour Code Identification Plate suitable for IKFS15 colour: violet colour: pink colour: light brown colour: brown colour: red colour: light blue colour: yellow colour: white (ecru) colour: light green	EP3 EP4 EP5 EP7,5 EP10 EP15 EP20 EP25 EP30
		Test Plug test plug for plug socket STB2 2 mm suitable for IK5, IKH4, FK5, IK5BL, IKH4BL test plug for plug socket STB4L, STB16, STB35 4 mm suitable for IK16, IK25, IK51, IK70, IKT10, FK16, IK16BL, IK25BL, IK51BL	PST2 PST4
		Female Test Connector suitable for IK5, IKH4, FK5, IK5BL, IKH4BL IKT10 IK16, FK16, IK16BL IK25, IK51, IK70, IK25BL, IK51BL	STB2 STB4L STB16 STB35
		Neutral Busbar 10x3mm, 1 m long, bare copper suitable for IKTR4, IKTR10, IKTR16, IKTRED, IKEPTR	S10X3





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Mounting

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Limit Switches

Control Switches

Terminal Blocks
Series: CompactLine

IFK spring-cage terminals

spring-cage connection



Feed-through Terminals

rated cross section	1.5 mm²
solid	0.14 ... 1.5 mm ²
multiple wire	0.14 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	4,2 / 48,5 / 36,5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	500 V
rated current	17.5 A
operating temperature	-40°C ... 80°C

rated cross section	
solid	
multiple wire	
mounting method	
terminal width	
Connection type	
tightening torque	
rated voltage	
rated current	
operating temperature	

data acc. to IEC 60947-7-1

flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm

data acc. to UL1059

tightening torque	
connection range (solid wire)	26-14 AWG
rated voltage	300 V
rated current	15 A

data acc. to CSA C22.2 No 158-1987, ECN 5488

tightening torque	
connection range (solid wire)	
rated voltage	
rated current	

identification labels	HPK4.../HPKF4...
end sections	IWFK2,5
jumpers	SB1,5-10, SB1,5-2

type	light-grey	IFK1,5
	blue	IFK1,5BL



Feed-through Terminals

rated cross section	2.5 mm²
solid	0.2 ... 4 mm ²
multiple wire	0.2 ... 2.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 48.5 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	800 V
rated current	31 A
operating temperature	-40°C ... 80°C

flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	10 mm

tightening torque	
connection range (solid wire)	26-12 AWG
rated voltage	600 V
rated current	20 A

identification labels	HPK5.../HPKF5...
end sections	IWFK2,5
jumpers	SB2,5-10, SB2,5-2

type	light-grey	IFK2,5
	blue	IFK2,5BL



Feed-through Terminals

4 mm²

0.2 ... 6 mm²

0.2 ... 4 mm²

Top hat rail N35, EN60715 TH35

6.2 / 56 / 36.5 mm

spring-cage connection

800 V

40 A

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

20-10 AWG

600 V

30 A

HPK6.../HPKF6...

IWFK4

SB4-10, SB4-2

light-grey

IFK4

blue

IFK4BL



Feed-through Terminals

6 mm²

0.5 ... 10 mm²

0.5 ... 6 mm²

Top hat rail N35, EN60715 TH35

8.2 / 69.5 / 43.5 mm

spring-cage connection

800 V

52 A

-40°C ... 80°C

V0

3

III

I

8 kV

12 mm

20-8 AWG

600 V

50 A

HPK8.../HPKF8...

IWFK6

SB6-10, SB6-2

light-grey

IFK6

blue

IFK6BL



Feed-through Terminals

10 mm²

1.5 ... 16 mm²

1.5 ... 10 mm²

Top hat rail N35, EN60715 TH35

10 / 71.5 / 50.5 mm

spring-cage connection

800 V

65 A

-40°C ... 80°C

V0

3

III

I

8 kV

18 mm

16-6 AWG

600 V

65 A

HPK10.../HPKF8...

IWFK10

SB10-2

light-grey

IFK10

blue

IFK10BL

Terminal Blocks
IDC-Feed Connection
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IFK spring-cage terminals

spring-cage connection



Feed-through Terminals

rated cross section	16 mm²
solid	1.5 ... 25 mm ²
multiple wire	1.5 ... 16 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	12 / 80 / 51 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	800 V
rated current	90 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	18 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	16-4 AWG
rated voltage	600 V
rated current	85 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK10.../HPKF8...
end sections	IWFK16
jumpers	SB16-2
type	light-grey IFK16 blue IFK16BL



Feed-through Terminals

rated cross section	35 mm²
solid	2.5 ... 35 mm ²
multiple wire	2.5 ... 35 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	16 / 100 / 59 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	800 V
rated current	125 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	25 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	14-2 AWG
rated voltage	600 V
rated current	115 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK10.../HPKF8...
end sections	
jumpers	SB35-2
type	light-grey IFK35 blue IFK35BL



Feed-through Terminals

1.5 mm²

0.14 ... 1.5 mm²

0.14 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

4.2 / 60.5 / 36.5 mm

spring-cage connection

500 V

17.5 A

-40°C ... 80°C

V0

3

III

I

6 kV

10 mm

26-14 AWG

300 V

15 A

HPK4.../HPKF4...

IWFK2,5-1+2

SB1,5-10, SB1,5-2

light-grey

IFK1,5-1+2

blue

IFK1,5BL-1+2

* The max. load current must not be exceeded by the total current of all connected conductors.



Feed-through Terminals

2.5 mm²

0.2 ... 4 mm²

0.2 ... 2.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 60.5 / 36.5 mm

spring-cage connection

800 V

28 A

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

26-12 AWG

600 V

20 A

HPK5.../HPKF5...

IWFK2,5-1+2

SB2,5-10, SB2,5-2

light-grey

IFK2,5-1+2

blue

IFK2,5BL-1+2

* The max. load current must not be exceeded by the total current of all connected conductors.



Feed-through Terminals

4 mm²

0.2 ... 6 mm²

0.2 ... 4 mm²

Top hat rail N35, EN60715 TH35

6.2 / 71.5 / 36.5 mm

spring-cage connection

800 V

40 A

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

20-10 AWG

600 V

30 A

HPK6.../HPKF6...

IWFK4-1+2

SB4-10, SB4-2

light-grey

IFK4-1+2

blue

IFK4BL-1+2

* The max. load current must not be exceeded by the total current of all connected conductors.

Terminal Blocks
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Terminal Switches
Cableways
Box Technology
Cable Management

IFK spring-cage terminals

spring-cage connection



Feed-through Terminals

rated cross section	1.5 mm²
solid	0.14 ... 1.5 mm ²
multiple wire	0.14 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	4.2 / 72 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	500 V
rated current	17.5 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	26-14 AWG
rated voltage	300 V
rated current	15 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK4.../HPKF4...
end sections	IWFK2,5-2+2
jumpers	SB1,5-10, SB1,5-2
type	light-grey IFK1,5-2+2 blue IFK1,5BL-2+2

* The max. load current must not be exceeded by the total current of all connected conductors.



Feed-through Terminals

rated cross section	2.5 mm²
solid	0.2 ... 4 mm ²
multiple wire	0.2 ... 2.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 72 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	800 V
rated current	28 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	26-12 AWG
rated voltage	600 V
rated current	20 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK5.../HPKF5...
end sections	IWFK2,5-2+2
jumpers	SB2,5-10, SB2,5-2
type	light-grey IFK2,5-2+2 blue IFK2,5BL-2+2

* The max. load current must not be exceeded by the total current of all connected conductors.



Feed-through Terminals

4 mm²

0.2 ... 6 mm²

0.2 ... 4 mm²

Top hat rail N35, EN60715 TH35

6.2 / 87 / 36.5 mm

spring-cage connection

800 V

40 A

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

20-10 AWG

600 V

30 A

HPK6.../HPKF6...

IWFK4-2+2

SB4-10, SB4-2

light-grey

IFK4-2+2

blue

IFK4BL-2+2

* The max. load current must not be exceeded by the total current of all connected conductors.



Feed-through Terminals

1.5 mm²

0.14 ... 1.5 mm²

0.14 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

4.2 / 67.5 / 47.5 mm

spring-cage connection

500 V

17.5 A

-40°C ... 80°C

V0

3

III

I

6 kV

10 mm

26-14 AWG

300 V

15 A

HPK4.../HPKF4...

IWFKK2,5

SB1,5-10, SB1,5-2

light-grey

IFKK1,5

blue

IFKK1,5BL



Feed-through Terminals

2.5 mm²

0.2 ... 4 mm²

0.2 ... 2.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 67.5 / 47.5 mm

spring-cage connection

500 V

26 A

-40°C ... 80°C

V0

3

III

I

6 kV

10 mm

26-12 AWG

300 V

20 A

HPK5.../HPKF5...

IWFKK2,5

SB2,5-10, SB2,5-2

light-grey

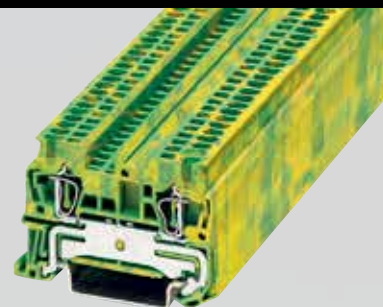
IFKK2,5

blue

IFKK2,5BL

IFK spring-cage terminals

spring-cage connection



Feed-through Terminals

rated cross section	4 mm²
solid	0.2 ... 6 mm ²
multiple wire	0.2 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	6.2 / 83.5 / 47.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	500 V
rated current	32 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	20-10 AWG
rated voltage	300 V
rated current	30 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK6.../HPKF6...
end sections	IWFKK4
jumpers	SB4-10, SB4-2
type	light-grey IFKK4 blue IFKK4BL



Earth Connection Terminals

rated cross section	1.5 mm²
solid	0.14 ... 1.5 mm ²
multiple wire	0.14 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	4.2 / 48.5 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	26-14 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK4.../HPKF4...
end sections	IWFK2,5
jumpers	
type	yellow/green IFK1,5E

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

2.5 mm²

0.2 ... 4 mm²

0.2 ... 2.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 48,5 / 36.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

26-12 AWG

HPK5.../HPKF5...

IWFK2,5

yellow/green

IFK2,5E

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

4 mm²

0.2 ... 6 mm²

0.2 ... 4 mm²

Top hat rail N35, EN60715 TH35

6.2 / 56 / 36.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

20-10 AWG

HPK6.../HPKF6...

IWFK4

yellow/green

IFK4E

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

10 mm²

1.5 ... 16 mm²

1.5 ... 10 mm²

Top hat rail N35, EN60715 TH35

10 / 71.5 / 50.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

8 kV

18 mm

16-6 AWG

HPK10.../HPKF8...

IWFK10

SB10-2

yellow/green

IFK10E

Please follow the instructions about the electrical short-term current strength of top hat rails.

Terminal Blocks
IDC-Block Connections
Terminal Switches
Cableways
Bus Technology

IFK spring-cage terminals

spring-cage connection



Earth Connection Terminals

rated cross section	16 mm²
solid	1.5 ... 25 mm ²
multiple wire	1.5 ... 16 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	12 / 80 / 51 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	18 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	16-4 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK10.../HPKF8...
end sections	IWFK16
jumpers	SB16-2
type	yellow/green IFK16E



Earth Connection Terminals

rated cross section	35 mm²
solid	2.5 ... 35 mm ²
multiple wire	2.5 ... 35 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	16 / 100 / 59 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	25 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	14-2 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK10.../HPKF8...
end sections	
jumpers	SB35-2
type	yellow/green IFK35E

Please follow the instructions about the electrical short-term current strength of top hat rails.

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

1.5 mm²
0.14 ... 1.5 mm ²
0.14 ... 1.5 mm ²
Top hat rail N35, EN60715 TH35
4.2 / 60.5 / 36.5 mm
spring-cage connection
-40°C ... 80°C
V0
3
III
I
6 kV
10 mm

26-14 AWG

HPK4.../HPKF4...
IWFK2,5-1+2

yellow/green **IFK1,5E-1+2**

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

2.5 mm²
0.2 ... 4 mm ²
0.2 ... 2.5 mm ²
Top hat rail N35, EN60715 TH35
5.2 / 60.5 / 36.5 mm
spring-cage connection
-40°C ... 80°C
V0
3
III
I
8 kV
10 mm

26-12 AWG

HPK5.../HPKF5...
IWFK2,5-1+2

yellow/green **IFK2,5E-1+2**

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

4 mm²
0.2 ... 6 mm ²
0.2 ... 4 mm ²
Top hat rail N35, EN60715 TH35
6.2 / 71.5 / 36.5 mm
spring-cage connection
-40°C ... 80°C
V0
3
III
I
8 kV
10 mm

20-10 AWG

HPK6.../HPKF6...
IWFK4-1+2

yellow/green **IFK4E-1+2**

Please follow the instructions about the electrical short-term current strength of top hat rails.

Terminal Blocks
IDC-Block Connection
Power Supplies
Terminal Switches
Cableways
Bus Technology

IFK spring-cage terminals

spring-cage connection



Earth Connection Terminals

rated cross section	1.5 mm²
solid	0.14 ... 1.5 mm ²
multiple wire	0.14 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	4.2 / 72 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	26-14 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK4.../HPKF4...
end sections	IWFK2,5-2+2
jumpers	
type	yellow/green IFK1,5E-2+2



Earth Connection Terminals

rated cross section	2.5 mm²
solid	0.2 ... 4 mm ²
multiple wire	0.2 ... 2.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 72 / 36.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	26-12 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK5.../HPKF5...
end sections	IWFK2,5-2+2
jumpers	
type	yellow/green IFK2,5E-2+2

Please follow the instructions about the electrical short-term current strength of top hat rails.

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

4 mm²

0.2 ... 6 mm²

0.2 ... 4 mm²

Top hat rail N35, EN60715 TH35

6.2 / 87 / 36.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

8 kV

10 mm

20-10 AWG

HPK6.../HPKF6...

IWFK4-2+2

yellow/green

IFK4E-2+2

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

1.5 mm²

0.14 ... 1.5 mm²

0.14 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

4.2 / 67.5 / 47.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

6 kV

10 mm

26-14 AWG

HPK4.../HPKF4...

IWFKK2,5

yellow/green

IFKK1,5E

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

2.5 mm²

0.2 ... 4 mm²

0.2 ... 2.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 67.5 / 47.5 mm

spring-cage connection

-40°C ... 80°C

V0

3

III

I

6 kV

10 mm

26-12 AWG

HPK5.../HPKF5...

IWFKK2,5

yellow/green

IFKK2,5E

Please follow the instructions about the electrical short-term current strength of top hat rails.

Terminal Blocks
IDC-First Connection
Push Buttons
Lamps Switches
Cables
Box Technology

IFK spring-cage terminals

spring-cage connection



Earth Connection Terminals

rated cross section	4 mm²
solid	0.2 ... 6 mm ²
multiple wire	0.2 ... 4 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	6.2 / 83.5 / 47.5 mm
Connection type	spring-cage connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	6 kV
stripping length	10 mm
data acc. to UL1059	
tightening torque	
connection range (solid wire)	20-10 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK6.../HPKF6...
end sections	IWFKK4
jumpers	
type	yellow/green IFKK4E



Feed-through Terminals

rated cross section	1.5 mm²
solid	0.25 ... 1.5 mm ²
multiple wire	0.25 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 58.8 / 39.3 mm
Connection type	Insulation displacement fast connection
tightening torque	
rated voltage	800 V
rated current	17.5 A
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	PVC, PE
data acc. to UL1059	
tightening torque	
connection range (solid wire)	24-16 AWG
rated voltage	600 V
rated current	10 A
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK5.../HPKF5...
end sections	IWSK1,5
jumpers	SB2,5-10, SB2,5-2
type	light-grey ISK1,5 blue ISK1,5BL

Please follow the instructions about the electrical short-term current strength of top hat rails.



Feed-through Terminals

1.5 mm²

0.25 ... 1.5 mm²

0.25 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 76.4 / 39.3 mm

Insulation displacement fast connection

800 V

17.5 A

-40°C ... 80°C

V0

3

III

I

8 kV

PVC, PE

24-16 AWG

600 V

10 A

HPK5.../HPKF5...

IWSK1,5-1+2

SB2,5-10, SB2,5-2

light-grey

ISK1,5-1+2

blue

ISK1,5BL-1+2

* The max. load current must not be exceeded by the total current of the connected conductors.



Feed-through Terminals

1.5 mm²

0.25 ... 1.5 mm²

0.25 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 94 / 39, mm

Insulation displacement fast connection

800 V

17.5 A

-40°C ... 80°C

V0

3

III

I

8 kV

PVC, PE

24-16 AWG

600 V

10 A

HPK5.../HPKF5...

IWSK1,5-2+2

SB2,5-10, SB2,5-2

light-grey

ISK1,5-2+2

blue

ISK1,5BL-2+2

* The max. load current must not be exceeded by the total current of the connected conductors.



Feed-through Terminals

1.5 mm²

0.25 ... 1.5 mm²

0.25 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 99.6 / 49.9 mm

Insulation displacement fast connection

500 V

17.5 A

-40°C ... 80°C

V0

3

III

I

6 kV

PVC, PE

24-16 AWG

600 V

10 A

HSK5.../HSKF5...

IWSKK1,5

SB2,5-10, SB2,5-2

light-grey

ISKK1,5

blue

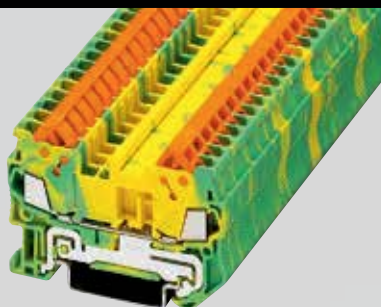
ISKK1,5BL

* The max. load current must not be exceeded by the total current of the connected conductors.

Terminal Blocks
IDC-Feed Connection
Light Switches
Cable
Box Technology

QUICKON fast connection terminals

Insulation displacement fast connection



Earth Connection Terminals

rated cross section	1.5 mm²
solid	0.25 ... 1.5 mm ²
multiple wire	0.25 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 58.8 / 39.3 mm
Connection type	Insulation displacement fast connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	PVC, PE
data acc. to UL1059	
tightening torque	
connection range (solid wire)	24-16 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK5.../HPKF5...
end sections	IWSK1,5
jumpers	SB2,5-10, SB2,5-2
type	yellow/green ISK1,5E

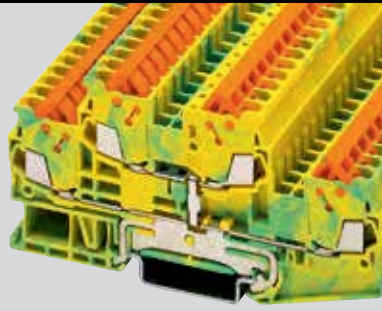
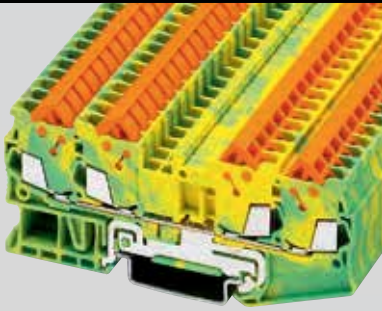


Earth Connection Terminals

rated cross section	1.5 mm²
solid	0.25 ... 1.5 mm ²
multiple wire	0.25 ... 1.5 mm ²
mounting method	Top hat rail N35, EN60715 TH35
terminal width	5.2 / 76.4 / 39.3 mm
Connection type	Insulation displacement fast connection
tightening torque	
rated voltage	
rated current	
operating temperature	-40°C ... 80°C
data acc. to IEC 60947-7-1	
flammability rating acc. to UL94	V0
pollution degree	3
overvoltage category	III
material group	I
rated impulse voltage	8 kV
stripping length	PVC, PE
data acc. to UL1059	
tightening torque	
connection range (solid wire)	24-16 AWG
rated voltage	
rated current	
data acc. to CSA C22.2 No 158-1987, ECN 5488	
tightening torque	
connection range (solid wire)	
rated voltage	
rated current	
identification labels	HPK5.../HPKF5...
end sections	IWSK1,5-1+2
jumpers	SB2,5-10, SB2,5-2
type	yellow/green ISK1,5E-1+2

Please follow the instructions about the electrical short-term current strength of top hat rails.

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

1.5 mm²

0.25 ... 1.5 mm²

0.25 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 94 / 39, mm

Insulation displacement fast connection

-40°C ... 80°C

V0

3

III

I

8 kV

PVC, PE

24-16 AWG

HPK5.../HPKF5...

IWSK1,5-2+2

SB2,5-10, SB2,5-2

yellow/green

ISK1,5E-2+2

Please follow the instructions about the electrical short-term current strength of top hat rails.



Earth Connection Terminals

1.5 mm²

0.25 ... 1.5 mm²

0.25 ... 1.5 mm²

Top hat rail N35, EN60715 TH35

5.2 / 99.6 / 49.9 mm

Insulation displacement fast connection

-40°C ... 80°C

V0

3

III

I

6 kV

26-14 AWG

HPK5.../HPKF5...

IWSKK1,5

SB2,5-10, SB2,5-2

yellow/green

ISKK1,5E

Please follow the instructions about the electrical short-term current strength of top hat rails.

Terminal Blocks
IDC Fast Connection
Power Supplies
Lamps Switches
Cables
Box Technology




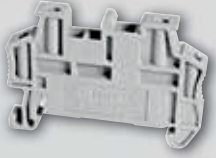


Illustration	Dimensions	Description	Type
		<p>Top Hat Rail N35-7.5 mm</p> <p>The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 1.92kA 2 m long</p>	<p>N35-2</p>
		<p>Top Hat Rail N35-7.5 mm, punched</p> <p>The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 1.92kA 2 m long</p>	<p>N35L-2</p>
		<p>Top Hat Rail N35-15 mm, punched</p> <p>The rails are made of rolled sheet steel, galvanised and passivated. Short-time current resistance: 6kA 2 m long</p>	<p>N35L-2_15MM</p>
		<p>End Clamp Bracket</p> <p>used as a fixing bracket at the end of a row of terminal blocks</p>	<p>SSK35</p>
		<p>Identification Labels, blank</p> <p>fit on IFKK1,5.../IFK1,5... fit on IFK2,5... / IFKK2,5... to fit on IFK4... / IFKK2,5... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10.../IFK35...</p>	<p>HPK4U HPK5U HPK6U HPK8U HPK10U</p>
		<p>Identification Labels (for terminal centre)</p> <p>horizontal printing strip of ten, consecutive numbering 1-10 to fit on IFKK1,5.../IFK1,5... to fit on IFK2,5.../IFKK2,5... to fit on IFK4... / IFKK2,5... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10.../IFK35...</p>	<p>HPK4B1-10 HPK5B1-10 HPK6B1-10 HPK8B1-10 HPK10B1-10</p>

Illustration	Dimensions	Description	Type
		<p>Identification Labels (for terminal centre) horizontal printing strip of ten, consecutive numbering 11-20</p> <p>to fit on IFKK1,5.../IFK1,5... fit on IFK2,5.../IFKK2,5... to fit on IFK4... / IFKK2,5... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10.../IFK35...</p>	<p>HPK4B11-20 HPK5B11-20 HPK6B11-20 HPK8B11-20 HPK10B11-20</p>
		<p>Identification Labels (for terminal centre) vertical printing strip of ten, consecutive numbering 1-10</p> <p>to fit on IFKK1,5.../IFK1,5... to fit on IFK2,5.../IFKK2,5... to fit on IFK4... / IFKK2,5... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10.../IFK35...</p>	<p>HPK4B1-10S HPK5B1-10S HPK6B1-10S HPK8B1-10S HPK10B1-10S</p>
		<p>Identification Labels (for terminal centre) vertical printing strip of ten, consecutive numbering 11-20</p> <p>to fit on IFKK1,5.../IFK1,5... to fit on IFK2,5.../IFKK2,5... to fit on IFK4... / IFKK2,5... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10.../IFK35...</p>	<p>HPK4B11-20S HPK5B11-20S HPK6B11-20S HPK8B11-20S HPK10B11-20S</p>
		<p>Identification Labels (for the outer marking grooves)</p> <p>to fit on IFK1,5.../IFKK1,5 to fit on IFK2,5.../IFKK2,5... to fit on IFK4.../IFKK4... to fit on IFK10... / IFK35... / IFK6... to fit on IFK10...IFK35</p>	<p>HPKF4U HPKF5U HPKF6U HPKF8U HPKF10U</p>
		<p>Identification Labels (for the outer marking grooves) flat, horizontal printing strip of ten, consecutive numbering 1-10</p> <p>to fit on IFK1,5.../IFKK1,5 to fit on IFK2,5.../IFKK2,5 to fit on IFK4.../IFKK4... to fit on IFK10.../ IFK35.../IFK6... to fit on IFK10.../IFK35...</p>	<p>HPKF4B1-10 HPKF5B1-10 HPKF6B1-10 HPKF8B1-10 HPKF10B1-10</p>

Terminal Blocks
Screw-on Terminal Block
Limit Switches
Push Buttons
Bus Technology

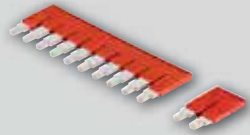
Illustration	Dimensions	Description	Type
		<p>Identification Labels (for the outer marking grooves)</p> <p>flat, horizontal printing strip of ten, consecutive numbering 11-20</p> <p>to fit on IFK1,5.../IFKK1,5 to fit on IFK2,5.../IFKK2,5... to fit on IFK4.../IFKK4... to fit on IFK10.../ IFK35.../IFK6... to fit on IFK10.../IFK35...</p>	<p>HPKF4B11-20 HPKF5B11-20 HPKF6B11-20 HPKF8B11-20 HPKF10B11-20</p>
		<p>Identification Labels (for the outer marking grooves)</p> <p>flat, vertical printing strip of ten, consecutive numbering 1-10</p> <p>to fit on IFK1,5.../IFKK1,5 to fit on IFK2,5.../IFKK2,5 to fit on IFK4.../IFKK4... to fit on IFK10.../ IFK35.../IFK6... to fit on IFK10.../IFK35...</p>	<p>HPKF4B1-10S HPKF5B1-10S HPKF6B1-10S HPKF8B1-10S HPKF10B1-10S</p>
		<p>Identification Labels (for the outer marking grooves)</p> <p>vertical printing, strip of ten, consecutive numbering 1-10</p> <p>to fit on IFK1,5.../IFKK1,5... to fit on IFK2,5.../IFKK2,5... to fit on IFK4.../IFKK4... to fit on IFK10.../ IFK35.../IFK6... to fit on IFK10.../IFK35...</p>	<p>HPKF4B11-20S HPKF5B11-20S HPKF6B11-20S HPKF8B11-20S HPKF10B11-20S</p>
		<p>Insulated End Section</p> <p>fits on</p> <p>ISKK1,5, ISKK1,5E IWSKK1,5 ISK1,5-1+2, ISK1,5E-1+2 IWSK1,5-1+2 ISK1,5-2+2, ISK1,5E-2+2 IWSK1,5-2+2 IFK1,5, IFK1,5E, IFK2,5E, IFK2,5 IWFK2,5 IFK1,5-1+2, IFK2,5-1+2, IFK1,5E-1+2, IFK2,5E-1+2 IWFK2,5-1+2 IFK1,5-2+2, IFK2,5-2+2, IFK1,5E-2+2, IFK2,5E-2+2 IWFK2,5-2+2 IFKK1,5, IFKK2,5, IFKK1,5E, IFKK2,5E IWFKK2,5 IFK4, IFK4E IWFK4 IFK4-1+2, IFK4E-1+2 IWFK4-1+2 IFK4-2+2, IFK4E-2+2 IWFK4-2+2 IFKK4, IFKK4E IWFKK4 IFK6, IFK6E IWFK6 IFK10, IFK10E IWFK10 IFK16, IFK16E IWFK16</p>	

Illustration

Dimensions

Description

Type



Plug-in Bridges

for cross-connections in the terminal centre,
suitable for

IFK1,5, IFK1,5-1+2, IFK1,5-2+2, IFKK1,5	SB1,5-2
IFK1,5, IFK1,5-1+2, IFK1,5-2+2, IFKK1,5	SB1,5-10
IFK2,5-1+2, IFK2,5-2+2, IFKK2,5, ISK1,5, ISK1,5-1+2, ISK1,5-2+2, ISK1,5E, ISK1,5E-1+2, ISK1,5E-2+2, ISKK1,5, ISKK1,5E, IFK2,5	SB2,5-2
IFK2,5, IFK2,5-1+2, IFK2,5-2+2, IFKK2,5, ISK1,5, ISK1,5-1+2, ISK1,5-2+2, ISK1,5E, ISK1,5E-1+2, ISK1,5E-2+2, ISKK1,5, ISKK1,5E	SB2,5-10
IFK4, IFK4-1+2, IFK4-2+2, IFKK4, IFK4BL, IFK4BL-1+2, IFK4BL-2+2	SB4-2
IFK4, IFK4-1+2, IFK4-2+2, IFKK4, IFK4BL, IFK4BL-1+2, IFK4BL-2+2	SB4-10
IFK6,	SB6-2
IFK6,	SB6-10
IFK10, IFK10E	SB10-2
IFK16, IFK16E	SB16-2
IFK35, IFK35E	SB35-2

